

20030812.qrp v03_n010.qrl.20030812

Date: Tue, 12 Aug 2003 19:03:12 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3010

QRP-L Digest 3010

Topics covered in this issue include:

- 1) [156056] Re: DDS experimenter's kit
by James R Giammanco <n5ib@juno.com>
- 2) [156057] Re: Multiband Wire Antenna Suggestions? (fwd)
by Karl Larsen <k5di@msn.com>
- 3) [156058] Re: LED Flashers on Flex-i-gen
by Brad Thompson <Brad.Thompson@valley.net>
- 4) [156059] Re: Yaesu FT-747GX QRP mod
by Rick McKee <kc8aon@juno.com>
- 5) [156060] Re: OT: Using Ham Radio Towers for Wireless Internet
by Larry Cahoon <lejek@erols.com>
- 6) [156061] Re: DDS experimenter's kit
by Peter Burbank <peterlee@qx.net>
- 7) [156062] Re: For Sale at lower prices
by John Ragsdale <jr91901@navix.net>
- 8) [156063] Half wave end fed tuner
by Rick McKee <kc8aon@juno.com>
- 9) [156064] Blocking zero VDC
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 10) [156065] Re: OT: Using Ham Radio Towers for Wireless Internet
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 11) [156066] Re: BPL
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 12) [156067] Re: DDS experimenter's kit
by "w8diz" <w8diz@cinci.rr.com>
- 13) [156068] DC Receiver 40m
by Curt Milton <wb8yyy@yahoo.com>
- 14) [156069] LET ME CLARIFY MY VIEW... BPL
by hamjoel@juno.com
- 15) [156070] IC-703 works mother country etc...
by "Bill, N4QA" <n4qa@hotmail.com>
- 16) [156071] Re: Half wave end fed tuner
by Lee Boulineau <n4mvl@yahoo.com>
- 17) [156072] OT: Internet worm
by "Dave Ek" <ekdave@earthlink.net>
- 18) [156073] KG6CYN DDS - Mini Circuits ERA-1SM Group Buy
by "Gene - NN7CK" <nn7ck@mindspring.com>
- 19) [156074] Re: Using Ham Radio Towers for Wireless Internet

- by "Mike Yetsko" <myetsko@insydesw.com>
- 20) [156075] Re: Inductance calculation of torids
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 21) [156076] Re: Multiband Wire Antenna Suggestions?
by K7VO <k7vo@earthlink.net>
- 22) [156077] Re: OT: Using Ham Radio Towers for Wireless Internet
by Dale Botkin <dale@botkin.org>
- 23) [156078] Re: Half wave end fed tuner
by "Joe Everhart" <n2cx@voicenet.com>
- 24) [156079] qst pc power supply conversion article
by bob evinger <wd9eka@evinger.com>
- 25) [156080] Re: LED Flashers on Flex-i-gen
by Tom Severt <n2uhc@yahoo.com>
- 26) [156081] Fox - Summer Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 27) [156082] Re: qst pc power supply conversion article
by "Juan Ferrari" <puntrad@usa.net>
- 28) [156083] Re: qst pc power supply conversion article
by Tom Severt <n2uhc@yahoo.com>
- 29) [156084] Re: Kits for young hams FREE!!!!!!!
by "Jay Bromley" <jayw5jay@cox-internet.com>
- 30) [156085] Re: OT: Internet worm
by Paul <mooney@cytanet.com.cy>
- 31) [156086] Re: OT: Internet worm
by "E. Roswell" <eroswell@monmouth.com>
- 32) [156087] Re: DC Receiver 40m
by Bruce Muscolino <w6toy@erols.com>
- 33) [156088] Re: OT: Using Ham Radio Towers for Wireless Internet
by Alex <kr1st@amsat.org>
- 34) [156089] Re: OT: Internet worm
by "Mike Yetsko" <myetsko@insydesw.com>
- 35) [156090] mobile magnetic ant mount
by hamjoel@juno.com
- 36) [156091] RE: mobile magnetic ant mount
by "Bob & Janet" <jbcraft@adelphia.net>
- 37) [156092] Re: OT: Internet worm
by w9ya <w9ya@arrl.net>
- 38) [156093] Re: mobile magnetic ant mount (Duck tape humor)
by "Mike Yetsko" <myetsko@insydesw.com>
- 39) [156094] Serious Duck tape
by "Mike Yetsko" <myetsko@insydesw.com>
- 40) [156095] (Duck tape humor) & 60 M question
by "Charles Mabbott" <aa8vs@msn.com>
- 41) [156096] SUSE 8.2 Pro CD sets available
by Ray Sills <raysills@1stconnect.com>
- 42) [156097] Re: Serious Duck tape
by Alex <kr1st@amsat.org>
- 43) [156098] Re: DC Receiver 40m

by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
44) [156099] Re: Serious Duck tape
by "Mike Yetsko" <myetsko@insydesw.com>
45) [156100] Re: qst pc power supply conversion article
by Steven Weber <kd1jv@moose.ncia.net>
46) [156101] Re: OT: Using Ham Radio Towers for Wireless Internet
by "George, W5YR" <w5yr@att.net>
47) [156102] Re: Serious Duck tape
by Alex <kr1st@amsat.org>
48) [156103] Re: Blocking zero VDC
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
49) [156104] Re: Multiband Wire Antenna Suggestions?
by "sslyon" <sslyon@megalink.net>
50) [156105]
by kwiike@gdls.com
51) [156106] Serious Duck tape
by "Charles Mabbott" <aa8vs@msn.com>
52) [156107] Re: WILD IDEA
by "Al AE2T" <ae2t@arrl.net>
53) [156108] Re: [ham] Re: WILD IDEA
by KD5NWA <KD5NWA@cbayona.com>
54) [156109] Re: DDS experimenter's kit
by "Mike Boatright" <ko4wx@mindspring.com>
55) [156110] RE: mobile magnetic ant mount
by Tom Severt <n2uhc@yahoo.com>
56) [156111] Re: OT: Using Ham Radio Towers for Wireless Internet
by w9ya <w9ya@arrl.net>
57) [156112] Re: qst pc power supply conversion article
by w9ya <w9ya@arrl.net>
58) [156113] Re: [ham] Re: WILD IDEA
by Jeremy Cowgar <jc@cowgar.com>
59) [156114] RE: QRP Afield (20 Sept 03)
by Chuck Ludinsky <cjl@mitre.org>
60) [156115] Re: qst pc power supply conversion article
by Tom Severt <n2uhc@yahoo.com>
61) [156116] Re: [ham] Re: WILD IDEA
by Brian <brian@iquest.net>
62) [156117] Re: [ham] Re: WILD IDEA
by Tom Severt <n2uhc@yahoo.com>
63) [156118] Re: [ham] Re: WILD IDEA
by Thom LaCosta <baltimoremd@baltimoremd.com>
64) [156119] Re: qst pc power supply conversion article
by Thom LaCosta <baltimoremd@baltimoremd.com>
65) [156120] Re: [ham] Re: WILD IDEA
by M Taylor <mctylr@privacy.nb.ca>
66) [156121] Astron PS FS
by Lloyd Lachow <llachow@yahoo.com>
67) [156122] RE: Duck Tape

- by "John Sielke" <jsielke@pobox.com>
- 68) [156123] Re: OT: Using Ham Radio Towers for Wireless Internet
by "George, W5YR" <w5yr@att.net>
- 69) [156124] Freq Ref Kit update
by Chuck Adams <k7qo@commspeed.net>
- 70) [156125] Re: LED Flashers on Flex-i-gen
by Brad Thompson <Brad.Thompson@valley.net>
- 71) [156126] Re: qst pc power supply conversion article
by Brad Thompson <Brad.Thompson@valley.net>
- 72) [156127] RE: Freq Ref Kit update
by "Emmersome Bigguns" <n8ie@woh.rr.com>
- 73) [156128] IC-77 mods
by ALBERTO <cx8at@adinet.com.uy>
- 74) [156129] Re: DDS Kit announcement
by "Chetan Bhargava" <list3@bhargavaz.com>
- 75) [156130] Re: Serious Duck tape
by Brian Short <bshort4@cox.net>
- 76) [156131] RE: Duck Tape
by "Bob & Janet" <jbcraft@adelphia.net>
- 77) [156132] Wanted!! MFJ-490 or MFJ 490X Keyer(Memories)
by "=?iso-8859-1?q?Miguel=20Angel=20D.J.?=" <ea1bp@yahoo.es>
- 78) [156133] RE: Freq Ref Kit update
by "Paul Womble" <pwomble@verizon.net>
- 79) [156134] Thanks for Batt. Storage Info.
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
- 80) [156135] Re: Freq Ref Kit update
by M Taylor <mctylr@privacy.nb.ca>

Date: Mon, 11 Aug 2003 15:48:11 PDT
From: James R Giammanco <n5ib@juno.com>
To: qrp-l@Lehigh.edu
Subject: [156056] Re: DDS experimenter's kit
Message-ID: <20030811.174423.7575.0.n5ib@juno.com>

Just got a package from Diz with the rotary encoder for Trevor's DDS kit. An extra added feature is that these encoders have a momentary switch included, activated by pressing the shaft (just like on the DSW rigs). Trevor's design calls for 2 momentary switches, so this one will be just the ticket for the RxTx adjust switch, also used to put you in the menu mode.

The encoders are pulls from equipment, but ****very**** clean and in good shape. They do not have the mounting nut, however. You'll have to supply a nut if you want to panel mount it, but it turns out to be the same size as that found on the common little momentary push buttons Radio Shack sells. Perhaps someone with a thread gauge can determine what the actual

size and pitch is - it's likely metric - looks like 7 mm on my vernier caliper, but I can't tell the pitch.

As soon as I lay in some ERA-1SM chips I'll be ready to begin.

72

Jim N5IB

On Fri, 1 Aug 2003 11:44:11 -0700 "Trevor Jacobs" <kg6cyn@softhome.net> writes:

>Almost any encoder will work. There is one encoder that Diz is selling
>on his web page at: <http://partsandkits.com/parts.asp> that would work
>just fine.

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Date: Mon, 11 Aug 2003 17:33:04 -0600 (MDT)
From: Karl Larsen <k5di@msn.com>
To: qrp-l@lehigh.edu
Subject: [156057] Re: Multiband Wire Antenna Suggestions? (fwd)
Message-ID: <Pine.LNX.4.44.0308111730570.10514-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thomas asked me to forward this to the list. He is suffering with msn.com like I did up until today. I'm back to good old zianet.com which is right down town.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

----- Forwarded message -----

Date: Mon, 11 Aug 2003 16:25:18 -0400
From: Thomas Lewis <thomas_h_lewis@msn.com>
To: k5di@msn.com
Subject: Re: Multiband Wire Antenna Suggestions?

Karl:

Sorry I have to reply direct but there is some conflict with my email and posting

to the group. It attaches HTML to my email and I haven't figured out how to fix it. Maybe you would post this for me. I'd like to encourage Jeremy.

I've been reading the posts re: Multiband Wire antenna. I note some have referenced the 44 ft. doublet as "reasonable performer". Well!

I posted a similar question to the Rock Mite group back in December. Long story short...

I have a 44 ft. doublet up 25 ft. fed with Radio Shack 450 ohm twin lead. I tune with the NorCal BLT. Performance on 40, 30, & 20 is not reasonable but excellent! 46 states with RockMites on 20 & 40. 12 DXCC with RockMite on 20 inc. 5960 miles to Ukraine. Last month I caught Liechtenstein on 30 with an MFJ 9030 (had to look that one up on the map).

That is my experience. Thanks much to the RockMite folks who guided and taught me about multiband nonresonant antennas. Oh yea NorCal, the BLT performs.

Good luck Jeremy

Tom

----- Original Message -----

From: Karl Larsen

Sent: Monday, August 11, 2003 4:02 PM

To: Low Power Amateur Radio Discussion

Subject: Re: Multiband Wire Antenna Suggestions?

Hi Jeremy, you have all you need for either a 44 or 88 foot dipole fed with 450 ohm ladder line. If convenient, you can run the 450 ohm line to your balun and then coax into your tuner and rig.

Your 8 foot ground rod is fine since using a balanced antenna keeps all the RF out of the shack.

The MFJ antenna tuner will work just fine since that is what I use. Make a list of tuner settings for all bands so you can get to the settings fast, and your all set with all band operation.

On Mon, 11 Aug 2003, Jeremy Cowgar wrote:

> Boulineau, Lee wrote:

>

> > Jeremy,

> >

> > You have gotten some excellent advice from other people on the list. The
> > one thing I would stress is to keep your first antenna simple. A 44 or
> > 88 foot doublet fed with ladder line and a balanced line tuner will
> > provide reasonable performance for 40 (or 80) through 10 meters. You
> > don't mention whether your shack is on the ground floor, basement, or
> > upper floor though.. If you're on the ground floor and you're not too far
> > from a place to plant a ground rod, you are in good shape - an 8' ground
> > rod, combined with 16-20 1/8 wave (~17 feet for 40, ~34 feet for 80)
> > will give you a decently performing ground system (BTW, you DO NOT have
> > to bury the radials). If you are on the second floor, you STILL NEED THE
> > GROUND ROD - that is the electrical (think lightning) ground that you
> > will hook up to your lightning arrestor (You MUST have a lightning
> > arrestor!), but the RF ground will be some tuned radials that you run
> > around your baseboards. There are the artificial grounds and they can
> > help with RF in the shack, but using tuned radials will often work by
> > itself. I would read the articles by R. L. Cebik at www.cebik.com for
> > further reasearch. Also, www.antennex.com has some good reading.
> >
> > I have used a variety of antennas, and have run kW power without RF in
> > the shack by the methods listed above. EXPIRIMENT with some simple wire
> > designs and find out what you like and what works for you.
>
> I am on the first floor of a two story house with an attic. I have a 8'
> ground rod, MFJ-941E tuner (4:1 balun built in (selectable if I want to
> use it or not)), also have a 4:1 balun that will mount out side.
>
> QUESTION: Do I need more than my 8' ground rod? I never had more than
> that, maybe I should? I have 2 children, so if I were to use radial's, I
> would have to put them under the ground. The back yard is their play
> area. Will that be of a concern?
>
> At my new home I have 3 problems. 1. it's rental property (although it
> is my father-in-law whom I get along fantastic with), 2. I have an
> electric fence that surrounds 3 sides of my property and produces a very
> large SNAP, SNAP, SNAP in my HF rigs (not VHF), 3. I have limited height
> and supports. 1 telephone pole to the North (30') with a large flood
> lamp, and 1 pine tree to the South (60' top, but I have only been able
> to mount up to about 42'). The inbetween I have my 31' chimney. The
> total distance between these two is about 61' of useable space (not
> getting into the pine branches).
>
> I have always been able to make contacts but just hoping to put up the
> best possible antenna for my situation so that with my QRP rigs, I can't
> say that I could be doing much better if I would only put up X antenna.
>
> Some have asked about my experience. I have built a 5 element 6m beam,
> 16 element 2m beam, 22 element 70cm beam, some potato masher satellite
> antenna's, many dipole antenna's and a long wire before. I have built a

> TenTec 1340, 38 Special, K2 w/nosie blanker, a few home brew
> transmitters, and a few ramsey kits. I was first licensed in (I think)
> 1989 (age 14), worked 10m forever as a novice (dipole 20' up) loving the
> easy contacts. Then I moved onto ultralights, then back into ham radio
> with QRP. Then moved into VHF and sattelites with a FT-847. Started
> school so my ham radio fell by the wayside. 2 years later, here I am
> getting back into QRP :-)
>
> Thanks for all the wonderfull help. Thus far, I am thinking of a 44'
> double zep w/ladder line (have everything I need at home already), or
> the specs of the G5RV JR (52', 17' Ladder Line). I may also possibly
> look at a long wire. Maybe play with all three, still thinking.
>
> Jeremy
> KB8LFA
>
>

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -Get more from the
Web. FREE MSN Explorer download : <http://explorer.msn.com>

Date: Mon, 11 Aug 2003 19:49:16 -0400
From: Brad Thompson <Brad.Thompson@valley.net>
To: ki6ds@dospalos.org,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [156058] Re: LED Flashers on Flex-i-gen
Message-ID: <5.0.2.1.2.20030811194130.01a743f0@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello--

The "black button" most likely contains the flasher electronics. A
manufacturing
technique called Chip On board (COB) allows placement of a semiconductor
die on a circuit board, onto an area of gold-plated PC traces. Bonding wires
attach pads on the device to the gold-plated traces, and then a dollup of
black epoxy
gets applied over the die and bonding wires. It's a cheap assembly technique
you'll frequently find used in pocket calculators, IR remote controls,
handheld games,
and other forms of cheap, nonrepairable and disposable consumer gewgaws.

Odd that the designers would use three parallel-connected batteries--

possibly they're
inferior-grade or nearing-end-of-life cells that really need to get
paralleled to provide enough
current in pulsed form.

Dunno what Flex-i-gen does (arthritis medication?), but I wonder about the
ecological
implications of dumping yet more millions of batteries into the trash
stream. Probably no
worse effect than the future wholesale disposal of many cell phones.

73--

Brad AA1IP

At 10:08 PM 08/10/2003 -0700, Doug Hendricks wrote:

>If any of you guys take Flex-i-gen, take a look at their new package the
>next time you are at the store. The box comes with an LED Flasher that is
>flashing!! My wife brought two of them home today, and I immediately tore
>open the box. Found a circuit board about 2 x 2.5" with three 3V button
>batteries, a resistor and an LED, plus a strange looking black button like
>thing. The batteries appear to be in parallel. This might make an
>excellent "power supply" for a NorCal keyer, grin. Check it out. 72, Doug

Date: Mon, 11 Aug 2003 19:17:50 -0400
From: Rick McKee <kc8aon@juno.com>
To: sbauder@wwt.net, qrp-1@Lehigh.EDU
Subject: [156059] Re: Yaesu FT-747GX QRP mod
Message-ID: <20030811.194719.9142.0.kc8aon@juno.com>

Steve,

The mod for the FT747Gx allows the drive control to work on ssb,
allowing full modulation since you don't reduce mic gain ! It really
works great too ! Just unbolt the filter board, lift it straight up off
it's plug strip, clip D99 and reinstall the filter board. You can now
operate QRP SSB with full modulation ! I've worked down into the
milliwatt range with mine several times, and I always get good reports on
the audio.

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid:

EM88rl

SW 40+, Norcal Cascade, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters
SW500

QRP-L #2112, FPqrp #33, AR QRP #269
I'll give up CW when I'm dead !

MAYBE !

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Date: Mon, 11 Aug 2003 23:50:25 +0000
From: Larry Cahoon <lejek@erols.com>
To: bshort4@cox.net,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156060] Re: OT: Using Ham Radio Towers for Wireless Internet
Message-ID: <5.1.0.14.0.20030811234237.01c811d0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Think of what value is of you are getting that you really need - \$50 a month?. Even if the value to you is \$100 a month that comes out to \$1,200 a year. Balance that against what it would cost him to put up the tower and rent the land to do it. Then add to that the cost he would have to pay to go through the permit process for the tower. Seems to me he is going to save himself an awful lot of money.

Some how I think he is getting off cheap.

73 de Larry.....WD3P
<http://www.wd3p.net/>

At 05:31 PM 8/11/2003 -0400, Brian Short wrote:
>The other day a fellow drove up in front of my house
>and began taking pictures of my house and tower.
>
>He drove off, and shortly after came back from the other
>direction and started over again.
>
>What the heck?
>
>As it turns out, he was looking for sites to place wireless
>internet access points and my ham tower is a prime location.
>
>My wife and I spoke with him and were favorably impressed
>to sign a contract. His plan is to run T-1 access to our house
>and place a neighborhood access point on the tower.

>
>In return, I am supposed to get free T-1 (and other terms)
>internet access, ISP services, etc.
>
>This sounds great, almost too good...
>--
>See my web page: <http://www.k7on.com>

Date: Mon, 11 Aug 2003 19:53:44 -0400
From: Peter Burbank <peterlee@qx.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156061] Re: DDS experimenter's kit
Message-ID: <5.2.0.9.0.20030811194748.00a02ec0@mail.qx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 06:48 PM 8/11/2003, James R Giammanco wrote:
>Just got a package from Diz with the rotary encoder for Trevor's DDS kit.
>An extra added feature is that these encoders have a momentary switch
>included, activated by pressing the shaft (just like on the DSW rigs).
>Trevor's design calls for 2 momentary switches, so this one will be just
>the ticket for the RxTx adjust switch, also used to put you in the menu
>mode.

I don't have PAYPAL and don't feel like going through the hassle of getting it.
Will Diz accept checks? How 'bout money orders.
Pete NV4V

Date: Mon, 11 Aug 2003 18:51:35 -0500
From: John Ragsdale <jr91901@navix.net>
To: qrp-1@Lehigh.EDU
Subject: [156062] Re: For Sale at lower prices
Message-ID: <4sagjv4r955dr5brtqh8g90pesf506qkir@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Power supply is sold. SST is still available.

John

=46or sale at lower prices:

1. SST 30 Transceiver. Tuning Range 10.112 to 10.117. Total use, 3 = contacts.

Manual. \$60.00 + shipping.=20

2. 12 Volt, 4 Amp Switching power supply. Used to power qrp rigs. \$15.00 = + shipping.

Cashier's check or postal money order accepted.

73

John N=D8NF

Date: Mon, 11 Aug 2003 20:13:22 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [156063] Half wave end fed tuner
Message-ID: <20030811.201350.9142.5.kc8aon@juno.com>

Someone on the list sent me a link for their site that contained the schematic for a 2 band (20/40 meter) tuner for a half wave end fed antenna. I have lost that link somewhere, and would like to find it again. It the little tuner that has a resistive bridge and led for an swr indicator, and a T50-2 core for the inductor and a switch to select the bands. If you know of such a site, or it's your site, could you please send me the link again ?

Many thanks

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid:
EM88rl
SW 40+, Norcal Cascade, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters
SW500

QRP-L #2112, FPqrp #33, AR QRP #269
I'll give up CW when I'm dead !

MAYBE !

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Date: Mon, 11 Aug 2003 19:29:29 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [156064] Blocking zero VDC
Message-ID: <002301c36079\$8ee5f3d0\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey! Suppose you have an audio doohickey with op-amps and bipolar supplies, so the resting output of this op-amp is at ground potential and the signal swings both ways. But you don't want to DC couple it to the outside world, so you use a blocking / coupling capacitor. You need something fairly large--tens or more of uF, so you don't have anything but electrolytics. Is that OK? Or should you (I) have biased up the op-amp a little to have a preferred polarity? Or go to the extreme of searching out non-polarized electros?

Does it affect your answer if the signals are small (100 mV) as opposed to large (volts)?

72--Nick, WA5BDU

Date: Mon, 11 Aug 2003 20:34:25 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Brian Short <bshort4@cox.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [156065] Re: OT: Using Ham Radio Towers for Wireless Internet
Message-ID: <20030811203328.J92132-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 11 Aug 2003, Brian Short wrote:

> As it turns out, he was looking for sites to place wireless
> internet access points and my ham tower is a prime location.
>
> My wife and I spoke with him and were favorably impressed

> to sign a contract. His plan is to run T-1 access to our house
> and place a neighborhood access point on the tower.
>
> In return, I am supposed to get free T-1 (and other terms)
> internet access, ISP services, etc.

If your location is really prime...you should get a much sweeter deal
(g)

>
> This sounds great, almost too good...

Then, you know the rest of the saying

Thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and DrakeList
http://www.tlchost.net	Web Hosting as low as \$3.49/month

Date: Mon, 11 Aug 2003 19:44:42 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: unlisted-recipients:; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [156066] Re: BPL
Message-ID: <Pine.LNX.4.44.0308111944210.994-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Except THAT didn't completely destroy other means of comm.

On Mon, 11 Aug
2003, Peter Burbank wrote:

> This whole idea reminds me of getting up a company to lay a trans Atlantic
> cable. :-)
> 73 to all
> Pete NV4V
>
>

--
Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain

If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Mon, 11 Aug 2003 20:53:05 -0400
From: "w8diz" <w8diz@cinci.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [156067] Re: DDS experimenter's kit
Message-ID: <001901c3606c\$17332c70\$6501a8c0@test>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Pete et al,

I accept all form of monies, including Gold, Silver and
rare stamps :) I still have more of the Panasonic encoders
in my stock. And YES, they were pulls in good shape.
I think Steve, "Melt Solder" used them in his NorEaster.

Only way I can ship the encoders is in a 4x4x6 box, so the
shipping goes up to my standard \$4.50

Kinda strange to charge \$4.50 for shipping and \$2 for 2 encoders.
That is life :)

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

----- Original Message -----

From: "Peter Burbank" <peterlee@qx.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, August 11, 2003 7:53 PM
Subject: Re: DDS experimenter's kit

At 06:48 PM 8/11/2003, James R Giammanco wrote:

>Just got a package from Diz with the rotary encoder for Trevor's DDS kit.
>An extra added feature is that these encoders have a momentary switch
>included, activated by pressing the shaft (just like on the DSW rigs).
>Trevor's design calls for 2 momentary switches, so this one will be just
>the ticket for the RxTx adjust switch, also used to put you in the menu
>mode.

I don't have PAYPAL and don't feel like going through the hassle of getting it.
Will Diz accept checks? How 'bout money orders.
Pete NV4V

Date: Mon, 11 Aug 2003 18:18:26 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [156068] DC Receiver 40m
Message-ID: <20030812011826.38656.qmail@web21410.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Don't ask me why but i took my first qrp rig off the junkpile again tonite. Rig is ugly weekender by Wes and Roger Haywood. Receiver is direct conversion, tuned by vfo in companion transmitter. It works great in daytime but at nitetime i get a bonus - AM reception primarily from 40m broadcasters that is much louder than the CW!

I was told a while back by a listmember that while this rig design works well out west, here on the east coast it is troublesome. He shared how he removed QSK and put in a manual t/r switch. The qsk circuit in this rig is a one pole series LC filter and a diode pair to ground as you have seen in many rigs. to experiment i removed the diode pair, but there is no change in the AM detection. of course left in this circuit i still have the zener diode and the unbiased PA itself. i also removed the LO from the mixer and everything including the BC stations went away.

has anyone here on the east coast been successful with a DC receiver on this band? could i be underdriving the receiver mixer?? maybe this is the problem? if i experiment with a manual switch any suggestion on where i put it in the transmit circuit.

not sure why i am doing this but the rig is on the scrapheap - of course i could use it in the daytime!

curt wb8yyy

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<http://sitebuilder.yahoo.com>

Date: Tue, 12 Aug 2003 01:39:58 GMT
From: hamjoel@juno.com
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [156069] LET ME CLARIFY MY VIEW... BPL
Message-ID: <20030811.184050.487.370519@webmail14.lax.unttd.com>
Mime-Version: 1.0
Content-Type: text/plain

High Y all

I m getten lots of e-mail now, so ah guess ah had just a soon add this to the pile...

It seems to be common knowledge that bpl is gonnna inteferre with radio stuffs up and down the spectrum... any fool or intellegent engineer in this area of electronics should be able to see that plainly... yet them fools built the system... got it operational... and is now attempting to make money off of it...

The arrl done used overlly qualified folk to document the stupidity and pass this information on to the proper burocrats... (whose main concern is probably limited to getting re-elected...) Good Job Ed...well done...

Now thair an t nuttin left for us to do but waits on our duly elected and appointed officals to kneaux what is right and do the right thing

Don t it just make u wanna puke....

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IN MAINE
FREEZIN

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Date: Mon, 11 Aug 2003 21:59:31 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@Lehigh.EDU

Subject: [156070] IC-703 works mother country etc...
Message-ID: <BAY1-F165M2Z2xtDABu000000cccf@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Replacement driver transistor was waiting inside the rural mailbox when I rolled in from work this afternoon. Two of 'em in fact...just in case. The installation job went fairly smoothly. So, I proceeded to work Brazil and Utah right off the bat...oh, the antenna is tuned up for 15 meters these days. Also, just worked JQ2IQW , Ross (ex-JA1XHE) on 21014 KHz. All @ 5 Watts out. Man, Japan is BOOMING in here on 15 tonight! Gave Ross 599(for real), he gave me 559. I *think* the IC-703 is fixed...time will tell...

73.
Bill, N4QA
<http://www.n4qa.com>

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
<http://join.msn.com/?page=features/virus>

Date: Mon, 11 Aug 2003 19:28:09 -0700 (PDT)
From: Lee Boulineau <n4mvl@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156071] Re: Half wave end fed tuner
Message-ID: <20030812022809.20047.qmail@web21204.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Try the AmQRP website at www.amqrp.org - the BLT is perfect!!!

Lee N4MVL

--- Rick McKee <kc8aon@juno.com> wrote:
> Someone on the list sent me a link for their site
> that contained the
> schematic for a 2 band (20/40 meter) tuner for a
> half wave end fed
> antenna. I have lost that link somewhere, and would

> like to find it
> again. It the little tuner that has a resistive
> bridge and led for an
> swr indicator, and a T50-2 core for the inductor and
> a switch to select
> the bands. If you know of such a site, or it's your
> site, could you
> please send me the link again ?
>
> Many thanks
>
> 72/73 de: Rick McKee, KC8AON <> Willow
> Wood, Ohio <> Grid:
> EM88rl
> SW 40+, Norcal Cascade, Yaesu FT-7, Homebrew 6V6
> tube TX & Hallicrafters
> SW500
> QRP-L #2112,
> FPqrp #33, AR QRP #269
> I'll give up CW
> when I'm dead !
> MAYBE !
>
>
>

> The best thing to hit the internet in years - Juno
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<http://sitebuilder.yahoo.com>

Date: Mon, 11 Aug 2003 20:37:43 -0600
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156072] OT: Internet worm
Message-ID: <000501c3607a\$c8ae0430\$9e3f4bab@NORTHROPJ6SJ50>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Gang,

See:

<http://securityresponse.symantec.com/avcenter/venc/data/w32.blastervorm.htm>
1

This one seems to be spreading quickly. It was just discovered today, as far as I can tell, and already a copy got onto my machine during a dial up session (when I wasn't running a firewall--shame on me!). I cleaned it and got my firewall going again, and my machine is being pinged frequently during this new dialup session. It doesn't come by email like so many these days. Instead it sneaks in through the DCOM RPC vulnerability in Windows. So, be running your firewall if you're not already, even during dialup sessions!

73 de Dave NK0E

Date: Sat, 11 Oct 2003 22:41:07 -0400
From: "Gene - NN7CK" <nn7ck@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <nn7ck@arrl.net>
Subject: [156073] KG6CYN DDS - Mini Circuits ERA-1SM Group Buy
Message-ID: <006801c3906a\$4a179b20\$0902a8c0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings Gang ... I am now ready to proceed with the group buy of the ERA-1SM.

The cost of each device will be \$1.42 plus \$0.25 for each order (NOT PART) to cover the shipping from Mini Circuits.

As for getting the parts to you, for US and VE, etc. the simplest way is for each of you to send a business sized SASE (First Class) along with your check and I'll pack the parts so they are protected. That way I don't get to make any mistakes in the addresses and the postal folks don't have to decipher my handwriting.

DX stations over the water ... I am willing to send them to anyone Mouser would and am open to your suggestions for getting them to you.

Since I am still getting new requests for inclusion I will hold through this week to make sure everyone that might want to has a chance to get on-board.

My address is:

Gene Hall - NN7CK
125 Dean Crest Rd.
Irmo, SC 29063

I hope this set-up is acceptable to everyone.

73 ... Gene ... NN7CK

Date: Mon, 11 Aug 2003 22:43:02 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <bshort4@cox.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156074] Re: Using Ham Radio Towers for Wireless Internet
Message-ID: <003501c3607b\$75511d80\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> As it turns out, he was looking for sites to place wireless
> internet access points and my ham tower is a prime location.

Well, if you can pull it off, more power too you.

But... Check first with your insurance carrier. ANYTHING
commercial on that tower can change it's status in a serious way!

Also, make sure you CAN put something on the tower. I know,
I know, what you can get away with is not the same thing as what
you can do, especially if you have an existing structure. But you
may just want to make sure you're bases are totally covered...

Mike

Date: Mon, 11 Aug 2003 21:54:50 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <pschweit@mninter.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [156075] Re: Inductance calculation of torids
Message-ID: <009101c3608d\$dcc6d7e0\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rob-

Pretty hard to answer without some sort of description of the schematic.
Are all the L's on the same core?

In a bifilar wound toroid, there are usually phasing issues to address,
although it depends on the usage. In general you can take the pair of wires
leaving either end and call that the "dotted end" of the two windings, in
cases where phasing matters.

72--Nick, WA5BDU

----- Original Message -----

From: "pschweit" <pschweit@mninter.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, August 10, 2003 9:20 PM
Subject: Inductance calculation of torids

> I am in the process of designing a reciever using a torid core. the tuning
> section has both series and parralel LC sections that are linked on a
> bifibular winding. Is there a correction factor or phasing issues that can
> be predicted?

>

> Just tinkering!!!!

>

> De KA0PGQ

> rob

>

Date: Mon, 11 Aug 2003 23:03:38 -0400
From: K7VO <k7vo@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [156076] Re: Multiband Wire Antenna Suggestions?

Message-ID: <20030811230338.40ee8f17.k7vo@earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Hi, everyone,

I am using multiple dipoles (80, 40, 20m) arranged like the spokes of a wheel from a common, central feedpoint. It's only about 35' up. It's at or at least near enough resonant on 80, 40, 20, 17, 15, and 12. I can work any HF band with a tuner, and I definitely hear and get out. A 160m dipole is about to be added. I'm using a Mizuho KX-QRP manual antenna tuner to touch up on some bands and to outright make it work on 30 and 10.

I am feeding with coax (I know that will draw some criticism) and using a Van Gordon Engineering HI-Q 1:1 balun at the center. The center point is my tower, and the ends are tied up in either trees or, in the case of 40m, to a vent on the roof of the house.

So far, so good. It's been durable (an ice storm is the only thing that brought it down) and performance seems to be quite decent. In theory I could put a smallish tribander (A3S, Butterfly, etc...) on the tower, but this has been a great low-budget solution. As some of you know I often run as little as 600mW on 40 or 500mW on 15 CW.

I can tell you that this has worked better than the single dipole and tuner I had before, of the sloper I had before that.

72/73,
Caity
K7VO

Date: Mon, 11 Aug 2003 22:09:20 -0500 (CDT)

From: Dale Botkin <dale@botkin.org>

To: Brian Short <bshort4@cox.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [156077] Re: OT: Using Ham Radio Towers for Wireless Internet

Message-ID: <Pine.LNX.4.33.0308112206060.23707-100000@madmax.botkin.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 11 Aug 2003, Brian Short wrote:

> In return, I am supposed to get free T-1 (and other terms)
> internet access, ISP services, etc.

>

> This sounds great, almost too good...

Not really. Check out what it takes to lease antenna space, darned near anywhere. In a previous life I tried to get a little space on top of a few buildings -- guess what? They were all "managed" by and exclusively leased to a rooftop management company, who wouldn't even talk to us (competitors, you see) but if they had would have wanted far more than we would have considered paying.

Now look at the situation in residential neighborhoods... a ham tower would be ideal, and letting the ham residing there have free access is dirt cheap for the ability to do business.

72,

Dale - N0XAS

--

It's a thankless job, but I've got a lot of Karma to burn off.

PicoKeyer is available for the Rock-Mite! <http://www.hamgadgets.com>

Date: Mon, 11 Aug 2003 23:10:45 -0400

From: "Joe Everhart" <n2cx@voicenet.com>

To: <kc8aon@juno.com>

Cc: "qrpl" <qrpl@lehigh.edu>

Subject: [156078] Re: Half wave end fed tuner

Message-ID: <003501c3607f53b52780\$bf3947d1@n2cxtoy>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Rick,

By your description I think you are referring to the Rainbow tuner at http://www.njqrp.org/Rainbow/rb_home.html

I can vouch for the fact that it works very well.

Of course I'm a tad prejudiced...

72/73,

Joe E., N2CX

You queried:

Someone on the list sent me a link for their site that contained the schematic for a 2 band (20/40 meter) tuner for a half wave end fed antenna. I have lost that link somewhere, and would like to find it again. It the little tuner that has a resistive bridge and led for an swr indicator, and a T50-2 core for the inductor and a switch to select the bands. If you know of such a site, or it's your site, could you

please send me the link again ?

Many thanks

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid:

Date: Mon, 11 Aug 2003 22:23:05 -0500
From: bob evinger <wd9eka@evinger.com>
To: qrp-l@Lehigh.EDU
Subject: [156079] qst pc power supply conversion article
Message-ID: <3F385D99.7030706@evinger.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Anybody remember which issue the article about converting PC power supplies for radio use was in. I went looking for it last night and couldnt find it. I fear that my copy of the issue met an untimely demise when I needed shelf space. I only keep about the last 6 issues and I cleaned the shelf off about 2 weeks ago.

tnx
bob
wd9eka/aar5mg

Date: Mon, 11 Aug 2003 20:29:39 -0700 (PDT)
From: Tom Severt <n2uhc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156080] Re: LED Flashers on Flex-i-gen
Message-ID: <20030812032939.23063.qmail@web9601.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Brad Thompson <Brad.Thompson@valley.net> wrote:

> Odd that the designers would use three
> parallel-connected batteries--

> possibly they're
> inferior-grade or nearing-end-of-life cells that
> really need to get
> paralleled to provide enough
> current in pulsed form.

More than likely they use three in parallel to keep the package flashing from the time it leaves the factory to travel cross-country, be stored in a stockroom for a while, and then finally be put onto the store shelves. Whereas one battery would run down after a while, three would keep it running quite a bit longer. I'm assuming roughly three times as long?

=====

Tom Sevalt N2UHC
<http://www.geocities.com/n2uhc>

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<http://sitebuilder.yahoo.com>

Date: Mon, 11 Aug 2003 21:44:26 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [156081] Fox - Summer Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0308112142150.12543-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #19 - N0UR -

The Cajun Thunder - 57

The Cheeseheads - 0

Wayne - K5E0A *

Jerry - N9AW

Vern - AA50 * Clean

Rick - NK9G

Wayne - N5YFC * Sweep

Jim - WA9TZE

Jim - N5IB *

Gary - W9XT

Mike - VA6MJT *

and one more.

The NE-TX Tornados - 79

Lew - N5ZE *
Joe - KK5NA * Clean
Wayne - W5KDJ * Sweep
Doc - W5TB *
George - W5YR *

...any corrections, please e-mail me direct...72 - Bruce (VE5RC+VE5QRP)

Date: Tue, 12 Aug 2003 03:46:11 +0100
From: "Juan Ferrari" <puntrad@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
<wd9eka@evinger.com>
Subject: [156082] Re: qst pc power supply conversion article
Message-ID: <019401c3607b\$e4c3ffc0\$385e4b43@puntana.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bob.

Last December I was with the same project so I have some info from various sources that may help you. I can't do it now but hopefully tomorrow I will be able to send you what I have.

72

Juan - KG4FSN

----- Original Message -----

From: bob evinger <wd9eka@evinger.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, August 12, 2003 4:23 AM
Subject: qst pc power supply conversion article

> Anybody remember which issue the article about converting PC power
> supplies for radio use was in. I went looking for it last night and
> couldnt find it. I fear that my copy of the issue met an untimely demise
> when I needed shelf space. I only keep about the last 6 issues and I

> cleaned the shelf off about 2 weeks ago.

>

> tnx

> bob

> wd9eka/aar5mg

>

>

>

Date: Mon, 11 Aug 2003 21:11:26 -0700 (PDT)

From: Tom Sevart <n2uhc@yahoo.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [156083] Re: qst pc power supply conversion article

Message-ID: <20030812041126.78371.qmail@web9604.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

I have instructions on how to do this on my website at
www.geocities.com/n2uhc/pwrsupply.html.

=====

Tom Sevart N2UHC

<http://www.geocities.com/n2uhc>

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software

<http://sitebuilder.yahoo.com>

Date: Mon, 11 Aug 2003 23:50:44 -0500

From: "Jay Bromley" <jayw5jay@cox-internet.com>

To: <qrp-1@Lehigh.EDU>

Subject: [156084] Re: Kits for young hams FREE!!!!!!!!

Message-ID: <021801c3608d\$4a4caca0\$fad24c42@coxinternet.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Gang,

The kits are now history. I have contacted everyone that will be receiving a care package this week. In the last two days the Fort Smith QRP Group has sent out over 90 kits free of charge to young hams, Elmers, and future hams. All I have left is a couple of kits saved back for orders requested last week that I know are coming in later this week.

I can't tell you how much fun I had doing this. In fact, I think this has to be the neatest thing I have ever had the pleasure doing in ham radio. I can't thank you guys enough!

All the kits where popular, but the SideKick 40m receiver was the most asked for. Guys don't worry about the Tuna Tin IIs and VE3DNL kits. I know they are going to be picked up by another group/groups soon so stay tuned. These are great beginners kits and will be around for a long time to come. I know some of the gang was worried about this since I am quitting the kitting game for a while. But if I could find another receiver project for kids, I would be right back in the game. :-)

Thank you all again, it has been super!!

73 de jay/w5jay..

Date: 12 Aug 2003 13:18:39 +0300
From: Paul <mooney@cytanet.com.cy>
To: ekdave@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156085] Re: OT: Internet worm
Message-ID: <1060683519.1662.20.camel@localhost>
Content-Type: text/plain
Mime-Version: 1.0
Content-Transfer-Encoding: 7bit

On Tue, 2003-08-12 at 05:37, Dave Ek wrote:

> Gang,
>
> See:
>
> <http://securityresponse.symantec.com/avcenter/venc/data/w32.blaster.worm.htm>
> 1
>
> This one seems to be spreading quickly. It was just discovered today, as far
> as I can tell, and already a copy got onto my machine during a dial up
> session (when I wasn't running a firewall--shame on me!). I cleaned it and
> got my firewall going again, and my machine is being pinged frequently

> during this new dialup session. It doesn't come by email like so many these
> days. Instead it sneaks in through the DCOM RPC vulnerability in Windows.
> So, be running your firewall if you're not already, even during dialup
> sessions!
>
> 73 de Dave NK0E
>

Time for a class action against Microsoft yet?

Paul M.

Date: Tue, 12 Aug 2003 08:32:18 -0400
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-l@Lehigh.EDU
Subject: [156086] Re: OT: Internet worm
Message-ID: <3F38DE52.7893408A@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Correct URL is:
<http://securityresponse.symantec.com/avcenter/venc/data/w32.blaster.worm.html>

Date: Tue, 12 Aug 2003 08:30:19 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: wb8yyy@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [156087] Re: DC Receiver 40m
Message-ID: <3F38DDDB.70B2D913@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

AM breakthrough in a DC receiver comes from slope detection, not
overdriving the mixer. There is no simple cure. You might try series
LC traps for real bad offenders. I have used DC receivers both here on
the east coast and in Europe.

Date: Tue, 12 Aug 2003 08:58:10 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [156088] Re: OT: Using Ham Radio Towers for Wireless Internet
Message-ID: <3F38E462.6E7FCAE6@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Brian Short wrote:

> My wife and I spoke with him and were favorably impressed
> to sign a contract. His plan is to run T-1 access to our house
> and place a neighborhood access point on the tower.

And that's how you get passed the neighborhood association. ;)

Actually, these were the kind of developments I was hinting at in post about the economic viability of BPL.

I'm not sure though if you can compare it to leasing space to a cellular company like some may be tempted to do when you want to determine value. I think a cell phone site can probably serve many more paying subscribers than a network access point can. Especially since cell phone technology is so widely accepted, but wireless isn't yet. The profit they make per access point is probably a lot less. So far, from what I've read, no one has made any profit of offering wireless access points yet. (but that's just a matter of time I'm sure) We have quite an extensive wireless network but I don't think we could make any money of it right now.

Also, they say you get free T1 access, but if that is through a wireless interface, you do not get the T1 bandwidth. Their statement may technically be true, but it may be something different than you expect. I'd make sure that I'd understand what "T1 access" means.

I'm sure that the company you are dealing with has experience with this, but I would look very much at what arrangements there are in the lease regarding (mutual) interference. You wouldn't want to be bound by an agreement that leases them 12 months of space and you have to listen to interference caused by their equipment, or worse, you have to cease operations when your equipment interferes with theirs. Even if the interference potential is small, I'd make sure that there would be satisfactory arrangements in the lease agreement.

There will also be issues with access to the site (tower, and wherever the equipment gets stored at) that you may need to look at. Energy costs is another aspect. And insurance like someone pointed out. What about liability when, say, something drops from your tower and knocks their equipment off, or due to work being done on your tower on your behalf. Or the other way around when they somehow damage your equipment.

I've heard of hams who rented their towers to cell phone companies. I think I'd see if I could find them to learn from their experience.

73,

--Alex KR1ST

Date: Tue, 12 Aug 2003 09:06:15 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <mooney@cytanet.com.cy>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156089] Re: OT: Internet worm
Message-ID: <001c01c360d2\$847eb180\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Time for a class action against Microsoft yet?
>
> Paul M.

>From what I've read, this 'hole' in Windows was talked about back in early June, and Microsoft issued an update to fix it in mid-July.

Date: Tue, 12 Aug 2003 13:31:58 GMT
From: hamjoel@juno.com
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [156090] mobile magnetic ant mount
Message-ID: <20030812.063244.13674.284416@webmail12.lax.unttd.com>
Mime-Version: 1.0
Content-Type: text/plain

high y'all

ah done a 'spearment... I took a 100 lb pull mag mount (radio shack) and put it on my pickup ... however I found due to curvature of my truck the magnet would wobble and walk along the truck or blow over...

SO

i TOOK SOME CLEAR SILICONE ADHESIVE called GOOP and placed it along the edges of the ant mount... let it dry a good 12 hours... and it looks neat... and holds a hustler ant onto the side of my truck cab...

No wobble no sign of walking... it's withstood speeds up to 70 mph... ur luck may vary... now all i need to do is mount my k2 in the truck somewhere...

have fun...

KE1LA JOEL
IN MAINE
FREEZIN

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Tue, 12 Aug 2003 09:54:41 -0400
From: "Bob & Janet" <jbcraft@adelphia.net>
To: <hamjoel@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [156091] RE: mobile magnetic ant mount
Message-ID: <AGEJJBFPLHMOECFDINOKEFFCNAA.jbcraft@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

hummm, my wife says that I fix EVERYTHING with duck (duct) tape, dry wall screws and silicon caulk (RTV)...

I dont fix EVERYTHING, but I fix enuf.

OO
Bob K8YS

Date: Tue, 12 Aug 2003 09:14:17 -0500
From: w9ya <w9ya@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156092] Re: OT: Internet worm
Message-ID: <200308120914.17837.w9ya@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Actually the problem has been not so much the vulnerability itself but rather that sadly Microsoft decided to not classify the RPC vulnerability patch as either critical and/or security related. <- sadly this means you (almost) *have to* look for it manually, as most users and system administrators, wisely, do not allow all updates from Microsoft to be automatically added to there systems.

Also be aware that some versions of XP (and yes there are more than one, several in fact,) are hard to fix after being affected by a RPC exploit without resorting to a re-install.

Bob
w9ya

p.s. As a side note, the SCO vs. IBM (and Linux) lawsuit has as one of it's claims that the RPC code IBM originally wrote and eventually gave to the linux community belongs to SCO. Additionally the RPC code in linux kernel apparently is NOT affected by these DCOM - RPC exploits affecting the Microsoft kernel.

On Tuesday 12 August 2003 05:18 am, Paul wrote:

> On Tue, 2003-08-12 at 05:37, Dave Ek wrote:
> > Gang,
> >
> > See:
> >
> > [http://securityresponse.symantec.com/avcenter/venc/data/w32.blaster.worm.](http://securityresponse.symantec.com/avcenter/venc/data/w32.blaster.worm.htm)
> >htm l
> >
> > This one seems to be spreading quickly. It was just discovered today, as
> > far as I can tell, and already a copy got onto my machine during a dial
> > up session (when I wasn't running a firewall--shame on me!). I cleaned it
> > and got my firewall going again, and my machine is being pinged
> > frequently during this new dialup session. It doesn't come by email like
> > so many these days. Instead it sneaks in through the DCOM RPC
> > vulnerability in Windows. So, be running your firewall if you're not
> > already, even during dialup sessions!
> >

> > 73 de Dave NK0E
>
> Time for a class action against Microsoft yet?
>
> Paul M.

Date: Tue, 12 Aug 2003 10:18:56 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <jbcraft@adelphia.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156093] Re: mobile magnetic ant mount (Duck tape humor)
Message-ID: <000f01c360dc\$abdf0fe0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> hummm, my wife says that I fix EVERYTHING with duck (duct) tape, dry
wall
> screws and silicon caulk (RTV)...
>
> I dont fix EVERYTHING, but I fix enuf.
>
> 00
> Bob K8YS

A few years ago there was a Dilbert that had an engineer who worked too hard. But he wasn't any good, so the others had to work harder to 'fix' what he did. Then ended up duck taping him to his chair to keep him from working.

The sequence ended with the frames talking about how versatile duck tape was, and how they could use it to fix almost anything.

The last frame was Wally, saying "Sometimes I use it instead of underwear"

Date: Tue, 12 Aug 2003 10:25:48 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [156094] Serious Duck tape
Message-ID: <002701c360dd\$a17145e0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK, SERIOUS duck tape issue...

I was given a roll of 'metalized' duck tape. Stuff looks like thin foil on the canvas.

This talk about duck tape got me thinking. Yeah, I could use it to be sort of a capacitive coupling on a mag-mount base. But I wonder...

What other kind of RF uses could I put it to? Remember, it's not just the metal over a binder, there's a layer of canvas in there.

Oh... That brings to mind another possibility... The metal muffler repair tape! But that's stainless, right? Poor rf properties? Still...

Mike

Date: Tue, 12 Aug 2003 10:34:27 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: qrp-l@Lehigh.EDU
Subject: [156095] (Duck tape humor) & 60 M question
Message-ID: <BAY5-F33q0AnHmGy4Gm00029a48@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

More details than I needed to know about.....

>From: "Mike Yetsko" <myetsko@insydesw.com>

>

>"....The last frame was Wally, saying "Sometimes I use it instead of underwear....."

>

>

>

Anyone making contacts on 60 Meters and if so, which channel and times? I have been monitoring and have only heard a single QSO so far.

73 oo
Chuck AA8VS

"Whoever said the pen is mightier than the sword obviously never encountered automatic weapons."

<http://68.43.100.7:81/aa8vs>

MSN 8 with e-mail virus protection service: 2 months FREE*
<http://join.msn.com/?page=features/virus>

Date: Tue, 12 Aug 2003 10:41:35 -0400
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@lehigh.edu>
Subject: [156096] SUSE 8.2 Pro CD sets available
Message-ID: <127D46E3-CCD3-11D7-80EC-003065EAB9EC@1stconnect.com>
Mime-Version: 1.0 (Apple Message framework v552)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

Hi Gang:

I have two sets of the 5 CDs for this version of Linux (the ones from Chuck, K7Q0) available.
To continue the distribution, each recipient is to make two copies and offer them to others, who will each make two extra sets, etc.

73 de Ray
K2ULR
FN20t1

Date: Tue, 12 Aug 2003 10:53:04 -0400
From: Alex <kr1st@amsat.org>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156097] Re: Serious Duck tape
Message-ID: <3F38FF50.5D84C981@amsat.org>
MIME-version: 1.0

Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

I see I'm not the only one who likes the Red_green show. :)

Mike Yetsko wrote:

> This talk about duck tape got me thinking. Yeah, I could use it to
> be sort of a capacitive coupling on a mag-mount base.

If you'd use it that way, wouldn't you have two capacitors in series and lower the total capacitance? (mag base to tape, tape to roof)

> What other kind of RF uses could I put it to? Remember, it's not
> just the metal over a binder, there's a layer of canvas in there.

Make a stealth dipole from it by taping two long pieces of it under the eaves. :)

73,
--Alex KR1ST

Date: Tue, 12 Aug 2003 08:01:05 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'wb8yyy@yahoo.com'" <wb8yyy@yahoo.com>
Cc: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [156098] Re: DC Receiver 40m
Message-ID: <7FD24C15A06DD511BF9E00D0B73E99520D734B3D@az33exm05.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

A DC receiver based around a Tayloe style detector does not seem to have these problems. This detector normally needs a 4x clock to get quadrature audio output (0, 90, 180 and 270 degree audio output). However, if you do not care about opposite sideband suppression and the audio phasing strip that would require, you could use a version of the detector that uses only a 1x clock and outputs only 0 degree and 180 degree outputs using only two detection caps.

A single low noise op-amp (such as a '5532 or a LM833) could be used to differentially combine these two outputs together. A 74HC4052 (dual 1 of four MUX) run at 5v and biased at 2.5v on the input could be used for the detector.

The mixer and pre-amp configuration could be adapted from the NC30 schematic (which uses a double balanced 4x clock detector) in the presentation found at www.redhotradio.com.

The transmit diplexer used there also does not have a problem with SWBC AM detection.

- Dan, N7VE

Date: Tue, 12 Aug 2003 11:28:46 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kr1st@amsat.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156099] Re: Serious Duck tape
Message-ID: <001801c360e6\$701e89e0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> > This talk about duck tape got me thinking. Yeah, I could use it to
> > be sort of a capacitive coupling on a mag-mount base.
>
> If you'd use it that way, wouldn't you have two capacitors in series and
> lower the total capacitance? (mag base to tape, tape to roof)

The idea would be to INCREASE the capacitance. Most mag mounts only have capacitance at the metal 'edge' through the paint to the surface they are mounted on. Then maybe a bolt and the magnets themselves, which may or may not be better.

With a metallic tape, it would 'follow' the contours under the mount and make a decent coupling there. Then other parts would be low and against the car body, and couple there off the same conductive path. Yes, 2 caps in series, but both should be coupled much better with higher values than just the one original gap coupling.

If it didn't work that way, then why do most makers of mag bases, put 'foil' on the bottom?

> > What other kind of RF uses could I put it to? Remember, it's not
> > just the metal over a binder, there's a layer of canvas in there.
>
> Make a stealth dipole from it by taping two long pieces of it under the
> eaves. :)

I've done this when I travel with 'alarm foil tape' a short length of RG-174, and two of the tape attachment points... But I've only done it for 2M and 220.

Mike

Date: Tue, 12 Aug 2003 11:09:32 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: wd9eka@evinger.com,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [156100] Re: qst pc power supply conversion article
Message-ID: <3.0.6.32.20030812110932.007ce980@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Anybody remember which issue the article about converting PC power
>supplies for radio use was in. I went looking for it last night and

Bob,

Most PC supplies need a load on the +5V output (red wire) to regulate properly. The article simply tells you to add a resistor on the 5v output for a load. I imagine one or two 6V pilot lights would do the trick too.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Tue, 12 Aug 2003 11:02:46 -0500
From: "George, W5YR" <w5yr@att.net>
To: <kr1st@amsat.org>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156101] Re: OT: Using Ham Radio Towers for Wireless Internet
Message-ID: <008301c360eb\$2ef07f00\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alex makes a number of good points. A few more questions occur to me:

What is the impact upon Homeowner's insurance if a portion of the property is being used for commercial purposes?

A long time ago when I had a home office for my consulting practice, I had to buy a special policy in addition to my HO policy to cover the added commercial usage of the house, etc. That was in Texas - other states may have different regulations.

Also, who bears liability for *any* consequences of the installation, presence, operation, etc. of the equipment on the tower? Suppose it fails and operation ceases - consequential damages? Loss of life and/or property if communications is not available?

I carry a very large "umbrella" personal liability policy just to cover those unanticipated exposures that the usual HO and auto policies do not. Seems like it might be a good idea if one's tower were being "rented" out even if the arrangement was on a barter basis rather than an exchange of funds.

Interesting questions . . .

Presently I have wireless Internet access via a commercial 2.4 GHz system which uses a small antenna mounted on a short mast on the roof. The main antenna is about a mile away on top of a large water tower. Overall, operation has been very good, especially since the only alternative is dial-up!

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

Date: Tue, 12 Aug 2003 12:27:05 -0400
From: Alex <kr1st@amsat.org>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [156102] Re: Serious Duck tape
Message-ID: <3F391559.4FE455A6@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Mike Yetsko wrote:

> If it didn't work that way, then why do most makers of mag bases,
> put 'foil' on the bottom?

Good question, as often the metal is painted right down under the edge. I've tried many different types of stickers in the past (I think I've even inquired about that on here a long time ago) including those mylar stickers, and they did not make bit of difference according to the FS meter. Granted, that was 2 meters only so a good capacitive coupling is much easier achieved.

> I've done this when I travel with 'alarm foil tape' a short length of
> RG-174, and two of the tape attachment points... But I've only done
> it for 2M and 220.

I've always wanted to try that, but I have aluminum windows and non of them, except maybe the patio door, has enough clearance of the metal framework to put a dipole up. Maybe I ought to give it a shot on the eves.

73,
--Alex KR1ST

Date: Tue, 12 Aug 2003 09:30:20 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Cc: "'nkennedy@tcainternet.com'" <nkennedy@tcainternet.com>
Subject: [156103] Re: Blocking zero VDC
Message-ID: <7FD24C15A06DD511BF9E00D0B73E99520D734B42@az33exm05.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

>Hey! Suppose you have an audio doohickey with op-amps and bipolar supplies,
>so the resting output of this op-amp is at ground potential and the signal
>swings both ways. But you don't want to DC couple it to the outside world,
>so you use a blocking / coupling capacitor. You need something fairly
>large--tens or more of uF, so you don't have anything but electrolytics. Is
>that OK? Or should you (I) have biased up the op-amp a little to have a
>preferred polarity? Or go to the extreme of searching out non-polarized
>electros?

The advantage of the dual +/- power supply arrangement you describe below is that the coupling caps are not needed. HiFi amplifiers like this arrangement because the coupling caps always have a degree of low frequency roll off.

If a single supply for the audio amplifier is used, then the amplifier is biased at 1/2 the supply voltage. This is the typical audio arrangement on most of our QRP rigs. A coupling cap is then required to isolate the DC

from the load. For HiFi uses, the cap needs to be very large to keep the low frequency roll off at a very low frequency. It is much cheaper instead to go to a split supply, run the signal with a zero volt average, and eliminate those caps entirely.

For our QRP rigs, where we want a 300 Hz low frequency roll off rather than a 3 Hz roll off, the coupling caps can be much smaller (100x?).

If they can eliminate the cap, you ought to be able to also.

You are right in thinking that a polarized cap will have a problem in the configuration you are describing. However, for sub volt signals, you can likely get away with it.

- Dan, N7VE

Date: Tue, 12 Aug 2003 12:42:18 -0400
From: "sslyon" <sslyon@megalink.net>
To: <jc@cowgar.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156104] Re: Multiband Wire Antenna Suggestions?
Message-ID: <000c01c360f0\$b20b2c00\$28c6e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jeremy, you're getting some good advice, esp. re the 44/88 ft. c.f. doublets. (per Cebik) Since it's a 'balanced' system and you'll be using a tuner, you do not need radials BUT... you DO need lightning protection. The handbook shows an excellent method that you can adapt to your needs.

Because of the solar cycle, 30/40/80m will be a favored choice for a while and an 88' doublet will perform better, even at relatively low ht. If you don't have the length, simply droop the ends symmetrically and tether them with 20lb. fishing line.

Since you do have a tall tree, go over the top rather than using lower limbs. (I use a sling-shot and fishing reel) You get the advantages of more ht. and 'natural' strain relief as well.

73/72

seab
aa1my

Date: Tue, 12 Aug 2003 12:52:01 -0400
From: kwike@gdls.com
To: qrp-1@Lehigh.EDU
Message-ID: <0F45EBADF3.78A90728-0N85256D80.005C9FC7@gdls.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

NATICK EYEING LIGHTWEIGHT SOLAR RECHARGER FOR FUTURE SOLDIERS - Objective Force Warrior program officials at the Army's Natick Soldier Center are eyeing a lightweight renewable power technology that would allow soldiers to harness solar energy to recharge batteries in the field and on the move, sources said last week.

Lightweight batteries, chargers and alternative power sources are a key focus for Army science and technology programs as electronics become more sophisticated and reliant on portable battery power. At the same time, the service is trying to substantially decrease the carrying load hauled by dismounted soldiers. (. . .)

Officials are also in the process of designing a "mock-up" device by November to initially demonstrate the technology for Objective Force Warrior officials, Samuelson said. The mock-up will work in conjunction with a small-unmanned ground vehicle, recharging its batteries when it is not in motion. When the UGV is turned on, it can recharge the batteries itself. (Source: Inside Defense)

Date: Tue, 12 Aug 2003 13:58:39 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: myetsko@insydesw.com, qrp-1@Lehigh.EDU
Subject: [156106] Serious Duck tape
Message-ID: <BAY5-F28ruYqgpKDEf00001b88e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

FYI

<http://www.ducttapeguys.com/>

Enjoy.....
73 oo Chuck AA8VS

"Whoever said the pen is mightier than the sword obviously never encountered automatic

weapons."

<http://68.43.100.7:81/aa8vs>

<snip>

The new MSN 8: smart spam protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Tue, 12 Aug 2003 14:37:57 -0400
From: "Al AE2T" <ae2t@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [156107] Re: WILD IDEA
Message-ID: <3F38FBC5.6387.13F3ED65@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Here's another wild idea. There's a whole sub-culture of people who specialize in accessing WiFi access points and getting into networks and getting 'free' access to the internet. They're called 'War Drivers' because most of their work is done driving around in vehicles looking for signals... much like a transmitter hunt.

If we could demonstrate that it is possible, or better yet, easy, to receive the BPL signals, decode them and then snoop into other peoples' data, it would be a big blow to BPL's image.

While you can argue that that is also possible on any network, we're talking public perception here. The idea that you could be some distance away from the power lines and still receive them well enough to decode them would set an image in the public's mind that might just kill BPL. Can you imagine 60 Minutes doing an expose showing Ed Hare snooping into the BPL systems? We could sell it as the Hams doing the public a favor and exposing this weakness before they were sold BPL as a 'secure' network.

Yeah, yeah, I know, VPN and encryption would solve that, but the public doesn't understand that.

We can't put all our efforts into pointing out that BPL will

interfere with HF communications. We come off as selfish and most people have little understanding of or sympathy for Ham Radio.

We should be pointing out (and demonstrating, if possible) that Amateur Stations will interfere with BPL, as Joel has said.

And if there is a security loophole to BPL, we should be demonstrating it and pointing it out to the public (customer.)

The more ways we show that BPL is sloppy, polluting, technology, which it is, the better.

A1 AE2T

>
> DOES anyone kneau anyone in the areas of bpl testing that would let them set up
a ham station at their house, and the inteference could be measured for a normal
ham perspective...
> Wouldn't that be interesting...having ur house used as a test site in a modern
technology investigation....
> can anybody get permission to do this???
>
>
>
> KE1LA JOEL
> IN MAINE
> FREEZIN
>
>

Date: Tue, 12 Aug 2003 14:19:19 -0500
From: KD5NWA <KD5NWA@cbayona.com>
To: ae2t@arrl.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156108] Re: [ham] Re: WILD IDEA
Message-ID: <5.2.0.9.0.20030812141519.00a6e220@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I don't think it would do much good to portray ourselves as persons who go around breaking the law, it would not help our credibility to make them think that hams are "hackers" or "cyber-terrorist" considering the bad light that those persons have come to be under.

At 01:37 PM 8/12/2003, Al AE2T wrote:

>Here's another wild idea. There's a whole sub-culture of people who
>specialize in accessing WiFi access points and getting into networks
>and getting 'free' access to the internet. They're called 'War
>Drivers' because most of their work is done driving around in
>vehicles looking for signals... much like a transmitter hunt.

>

>If we could demonstrate that it is possible, or better yet, easy, to
>receive the BPL signals, decode them and then snoop into other
>peoples' data, it would be a big blow to BPL's image.

>

>While you can argue that that is also possible on any network, we're
>talking public perception here. The idea that you could be some
>distance away from the power lines and still receive them well enough
>to decode them would set an image in the public's mind that might
>just kill BPL. Can you imagine 60 Minutes doing an expose showing Ed
>Hare snooping into the BPL systems? We could sell it as the Hams
>doing the public a favor and exposing this weakness before they were
>sold BPL as a 'secure' network.

>

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>public doesn't understand that.

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>

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>

>Al AE2T

>

> >

> > DOES anyone kneau anyone in the areas of bpl testing that would let
> them set up a ham station at their house, and the inteferrence could be
> measured for a normal ham perspective...

> > Wouldn't that be interesting...having ur house used as a test site in
> a modern technology investigation....

> > can anybody get permission to do this???

> >

> >

> >

> > KE1LA JOEL
> > IN MAINE
> > FREEZIN
> >
> >

Cecil
KD5NWA

Date: Tue, 12 Aug 2003 14:55:43 -0400
From: "Mike Boatright" <ko4wx@mindspring.com>
To: "Qrp-L" <qrp-l@Lehigh.EDU>
Cc: <w8diz@cinci.rr.com>
Subject: [156109] Re: DDS experimenter's kit
Message-ID: <NFBBIILMKCMIIILGKAJMBLGEEKCLAA.ko4wx@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Seems to me that good economy would be to also order 25 each of T50-6 and
T50-2...bet they would all fit in the same box...

Of course it would cost \$10 more, but think of all the shipping you'd save
when you realize after building your DDS that you want to build some filters
and maybe even a radio around it...

72 de Mike, K04WX

*** I have no financial interest in Diz's business (although like most all
of us, I do want to see a good guy stay in business ***

Date: Tue, 12 Aug 2003 12:29:01 -0700 (PDT)
From: Tom Severt <n2uhc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156110] RE: mobile magnetic ant mount
Message-ID: <20030812192901.14118.qmail@web9608.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Bob & Janet <jbcraft@adelphia.net> wrote:

> hummm, my wife says that I fix EVERYTHING with duck
> (duct) tape, dry wall
> screws and silicon caulk (RTV)...
>
> I dont fix EVERYTHING, but I fix enuf.

My wife says the same thing about me & epoxy.

=====

Tom Sevalt N2UHC
<http://www.geocities.com/n2uhc>

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Tue, 12 Aug 2003 14:31:49 -0500
From: w9ya <w9ya@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156111] Re: OT: Using Ham Radio Towers for Wireless Internet
Message-ID: <200308121431.49555.w9ya@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Of note , the American Power Providers Association's input (An earlier message to this ml gave the url for this.) to the FCC on the BPL would indicate that there are NO alternatives (of merit) for rural users to get broadband internet service. This is the reason given that existing users of the the HF spectrum should be required to *put up* with the resulting interference from BPL as/when it is implemented.

So perhaps we should be asking:

How is your internet service brother George ? Would you prefer BPL over your current microwave set up ?

72;

Bob
w9ya

On Tuesday 12 August 2003 11:02 am, George, W5YR wrote:

> Alex makes a number of good points. A few more questions occur to me:
>
> What is the impact upon Homeowner's insurance if a portion of the property
> is being used for commercial purposes?
>
> A long time ago when I had a home office for my consulting practice, I had
> to buy a special policy in addition to my HO policy to cover the added
> commercial usage of the house, etc. That was in Texas - other states may
> have different regulations.
>
> Also, who bears liability for *any* consequences of the installation,
> presence, operation, etc. of the equipment on the tower? Suppose it fails
> and operation ceases - consequential damages? Loss of life and/or property
> if communications is not available?
>
> I carry a very large "umbrella" personal liability policy just to cover
> those unanticipated exposures that the usual HO and auto policies do not.
> Seems like it might be a good idea if one's tower were being "rented" out
> even if the arrangement was on a barter basis rather than an exchange of
> funds.
>
> Interesting questions . . .
>
> Presently I have wireless Internet access via a commercial 2.4 GHz system
> which uses a small antenna mounted on a short mast on the roof. The main
> antenna is about a mile away on top of a large water tower. Overall,
> operation has been very good, especially since the only alternative is
> dial-up!
>
> 73/72, George
> Amateur Radio W5YR - the Yellow Rose of Texas
> Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
> "In the 57th year and it just keeps getting better!"
> <mailto:w5yr@att.net>

Date: Tue, 12 Aug 2003 14:34:39 -0500

From: w9ya <w9ya@arrl.net>

To: kd1jv@moose.ncia.net,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [156112] Re: qst pc power supply conversion article

Message-ID: <200308121434.39104.w9ya@arrl.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

On Tuesday 12 August 2003 10:09 am, Steven Weber wrote:

> >Anybody remember which issue the article about converting PC power
> >supplies for radio use was in. I went looking for it last night and
>
> Bob,
>
> Most PC supplies need a load on the +5V output (red iwre) to regulate
> properly. The article simply tells you to add a resistor on the 5v output
> for a load. I imagine one or two 6V pilot lights would due the trick too.

Not needed for many/most/all of the current model atx supplies. The atx
supplies also handle more 13v current as a rule while staying in regulation
at a higher load.

Um, there is an excellent article covering this very topic in the latest QST
that is in the mail. Mine showed up yesterday.

72;

Bob
w9ya

>
>
> 72,
> Steve, KD1JV
> "Melt Solder"
> White Mountains of New Hampshire
> <http://www.qsl.net/kd1jv/>

Date: Tue, 12 Aug 2003 15:35:13 -0700
From: Jeremy Cowgar <jc@cowgar.com>
To: qrp-l@lehigh.edu
Subject: [156113] Re: [ham] Re: WILD IDEA
Message-ID: <3F396BA1.90206@cowgar.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

KD5NWA wrote:

> I don't think it would do much good to portray ourselves as persons who
> go around breaking the law, it would not help our credibility to make
> them think that hams are "hackers" or "cyber-terrorist" considering the
> bad light that those persons have come to be under.

>
>

>> If we could demonstrate that it is possible, or better yet, easy, to
>> receive the BPL signals, decode them and then snoop into other
>> peoples' data, it would be a big blow to BPL's image.

It wouldn't be too hard either to setup simple encryption between the
"home" computer and "service provider" computer to make the network
secure. Even the fancy Microsoft keyboards now are using blowfish
technology so someone can't snoop into the signals from your wireless
keyboard and mouse (like it would be worth the trouble).

Jeremy
KB8LFA

Date: Tue, 12 Aug 2003 15:36:47 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: qrp-1@lehigh.edu
Cc: neqrp@jona1.net, wd7y@pyramid.net
Subject: [156114] RE: QRP Afield (20 Sept 03)
Message-ID: <3F3941CF.BB66CF6C@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed,

> I have been away for a while and I am wondering
> Has there been an announcement for this years
> QRP Afield??????
>
> Ed/WD7Y

It hasn't yet (until now) been posted, but has been on the neqrp web
site for some time. See <http://www.qsl.net/wq1rp/> or text below.

Same basic times and rules as last year's QRP Afield. More
announcements will follow soon.

73,

Chuck/K1CL

***** QRP AFIELD 03 *****

Date: Saturday, 20 September 2003

Time:

Best six hour contiguous period during 11:00 AM EDT to 11:00 PM EDT.
You may work throughout the entire 12 hour period and select your best
six hour period.

Exchange:

NE-QRP members: RST, State/province/country, NE-QRP Number

Non members: RST, State/province/country, Power

Bands and Modes:

160M, 80M, 40M, 20M, 15M, 10M.

Any mode (CW, SSB, AM, PSK, etc.); all count the same.

Only one contact per station per mode per band.

Standard QRP frequencies are recommended within each band (or generally
accepted frequencies for those modes for which there are no specific QRP
frequencies). But, please, let's spread out a little -- not everyone
within a kilohertz of 14.060.

Scoring:

1 point per QRO (above 5 watts) contact from a permanent location.

2 points per QRO contact from a field/mobile location.

5 points per QRP (5 watts or less) contact from a permanent location.

10 points per QRP contact from a field/mobile location.

All contacts must be made from single power/location category (i.e.,
the category is to remain the same once selected).

Plus: Count QSOs (once per band) with WQ1RP as THREE (3) contacts,
subject to scoring above (e.g., a QRP field operator will score each
legitimate WQ1RP contact as 30 points).

Final score will be the total number of contacts (including each WQ1RP
contact counted as three) multiplied by the power/location category

multiplied by the SPC multiplier (see below).

Multipliers:

Each S/P/C worked counts for one multiplier point and can be counted only ONCE PER BAND.

Submission of Results:

Email your scoresheet with a copy of the contest log (noting the six hour period that you select for scoring) and (please) any comments/photos concerning your setup, location, experiences, etc., no later than 15 October, to: K1CL@arrl.net

or mail your entry to:

Chuck Ludinsky, K1CL,
6 Pracing Rd,
Chelmsford, MA 01824-1922

Multi-Club Stations:

Will not be permitted. That is, simultaneous operation of multiple transmitters (on the same or different bands) under a single call sign is not permitted. However, multi-operators per club call is fine, with one transmitter in operation at a time.

cut here

=====

QRP Afield 2003 - Summaries and Score Calculation

CALL:_____

NAME(s):_____

QTH:

BAND	Number QSOs	Number SPCs
------	-------------	-------------

160M:	_____	_____
80M:	_____	_____
40M:	_____	_____
20M:	_____	_____
15M:	_____	_____
10M:	_____	_____

(A) TOTAL NUMBER OF QS0s: _____

(B) TOTAL NUMBER OF SPCs: _____

(C) PWR/LOCATION MULTIPLIER: _____

TOTAL SCORE = A x B x C = _____

=====

Date: Tue, 12 Aug 2003 12:38:18 -0700 (PDT)
From: Tom Sevart <n2uhc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [156115] Re: qst pc power supply conversion article
Message-ID: <20030812193818.15338.qmail@web9608.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Steven Weber <kd1jv@moose.ncia.net> wrote:

>
> Most PC supplies need a load on the +5V output (red
> wire) to regulate
> properly. The article simply tells you to add a
> resistor on the 5v output
> for a load. I imagine one or two 6V pilot lights
> would do the trick too.

Actually, what I use is a 12V automotive lamp. Does
the trick quite well, and you don't have to worry
about the 5V ever burning out the 12V lamp.

=====

Tom Sevart N2UHC
<http://www.geocities.com/n2uhc>

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Tue, 12 Aug 2003 14:50:19 -0500
From: Brian <brian@iquest.net>
To: "" <jc@cowgar.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [156116] Re: [ham] Re: WILD IDEA
Message-ID: <1060717819.3f3944fbb9363@webmail.iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Jeremy,

Never underestimate the value of SIGINT - no matter how innocuous it may seem.

Quoting Jeremy Cowgar <jc@cowgar.com>:

```
> KD5NWA wrote:
>
> > I don't think it would do much good to portray ourselves as persons who
> > go around breaking the law, it would not help our credibility to make
> > them think that hams are "hackers" or "cyber-terrorist" considering the
> > bad light that those persons have come to be under.
> >
> >
> >> If we could demonstrate that it is possible, or better yet, easy, to
> >> receive the BPL signals, decode them and then snoop into other
> >> peoples' data, it would be a big blow to BPL's image.
>
> It wouldn't be too hard either to setup simple encryption between the
> "home" computer and "service provider" computer to make the network
> secure. Even the fancy Microsoft keyboards now are using blowfish
> technology so someone can't snoop into the signals from your wireless
> keyboard and mouse (like it would be worth the trouble).
>
> Jeremy
> KB8LFA
>
>
>
```

Date: Tue, 12 Aug 2003 12:53:55 -0700 (PDT)
From: Tom Severt <n2uhc@yahoo.com>
To: KD5NWA@cbayona.com,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [156117] Re: [ham] Re: WILD IDEA
Message-ID: <20030812195355.56829.qmail@web9601.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- KD5NWA <KD5NWA@cbayona.com> wrote:
> I don't think it would do much good to portray

> ourselves as persons who go
> around breaking the law, it would not help our
> credibility to make them
> think that hams are "hackers" or "cyber-terrorist"
> considering the bad
> light that those persons have come to be under.

Agreed. Look what congress tried to do to scanner
listeners at the lobbying from the cellular telephone
industry. I believe scanner listeners were labeled
with the "cyber terrorist" epithet.

=====

Tom Severt N2UHC
<http://www.geocities.com/n2uhc>

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Tue, 12 Aug 2003 15:55:32 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: KD5NWA <KD5NWA@cbayona.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156118] Re: [ham] Re: WILD IDEA
Message-ID: <20030812155426.T24856-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 12 Aug 2003, KD5NWA wrote:

> I don't think it would do much good to portray ourselves as persons who go
> around breaking the law, it would not help our credibility to make them
> think that hams are "hackers" or "cyber-terrorist" considering the bad
> light that those persons have come to be under.
>

Most likely you're correct....but we could pass on technical information
to the War Drivers (g).

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page

<http://www.baltimorehon.com/>
<http://www.zerobeat.net>
<http://www.tlchost.net>

Home of the Baltimore Lexicon
Home of The QRP Web Ring and DrakeList
Web Hosting as low as \$3.49/month

Date: Tue, 12 Aug 2003 15:57:47 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Tom Severt <n2uhc@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [156119] Re: qst pc power supply conversion article
Message-ID: <20030812155700.N24856-1000000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 12 Aug 2003, Tom Severt wrote:

> Actually, what I use is a 12V automotive lamp. Does
> the trick quite well, and you don't have to worry
> about the 5V ever burning out the 12V lamp.

Other advantage is that you can have a piece of
solid state gear that "glows in the dark".

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>
<http://www.tlchost.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring and DrakeList
Web Hosting as low as \$3.49/month

Date: Tue, 12 Aug 2003 21:13:31 +0100
From: M Taylor <mctylr@privacy.nb.ca>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [156120] Re: [ham] Re: WILD IDEA
Message-ID: <20030812211331.A10869@pull.privacy.nb.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Tue, Aug 12, 2003 at 03:35:13PM -0700, Jeremy Cowgar wrote:
> KD5NWA wrote:
>

> > I don't think it would do much good to portray ourselves as persons who
> > go around breaking the law, it would not help our credibility to make
> > them think that hams are "hackers" or "cyber-terrorist" considering the
> > bad light that those persons have come to be under.
> >
> >> If we could demonstrate that it is possible, or better yet, easy, to
> >> receive the BPL signals, decode them and then snoop into other
> >> peoples' data, it would be a big blow to BPL's image.
>
> It wouldn't be too hard either to setup simple encryption between the
> "home" computer and "service provider" computer to make the network

Look at the possibl but typically disabled encryption is digital cell phones (EU GSM may, but I believe most US/CDN wireless carriers have no encryption enabled), "baseline privacy" in cable modems (as per DOCSIS spec I believe) is typically disabled (I don't know of any providers that have it enabled), voice telephone calls, Internet email, ... Because encryption slows performance (not an issue in the device located in the home, but the device at the access point), and complicates debugging problems, most ISPs prefer not to have encryption enabled.

I don't know the current state of US law regarding listening to "private communications" via "in the clear" RF (e.g. cordless phones, older analog cell phones), but I suspect listening to amateur radio and broadcast frequencies is not a crime regardless of the licensed or unlicensed (or unintentional) transmitter.

I suspect the competing with broadband cable modem access will be a larger problem for BPL.

-ve1mct

Date: Tue, 12 Aug 2003 13:32:10 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: a low-energy group <qrp-l@lehigh.edu>
Cc: "Li'l Piggies" <fpqrp-l@mpna.com>
Subject: [156121] Astron PS FS
Message-ID: <20030812203210.84114.qmail@web41005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just saw this on eBay...

<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3039989989&category=1502>

disclaimer.

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Tue, 12 Aug 2003 16:40:33 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@Lehigh.EDU
Subject: [156122] RE: Duck Tape
Message-ID: <3F391881.21117.9D9248B@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

It is truly amazing the wealth of information available here on QRP-L.
Without this list, I would have never learned about:

1. Torrids
2. Duck Tape

John W2AGN

Date: Tue, 12 Aug 2003 15:47:01 -0500
From: "George, W5YR" <w5yr@att.net>
To: <w9ya@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156123] Re: OT: Using Ham Radio Towers for Wireless Internet
Message-ID: <01d301c36112\$e3a569c0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Aha! Surely you jest! <:}

My 2.4 GHz service is just great with no interference to anything plus it
has turned into an excellent and expanding business for the fellow who
started it.

Good question, though, Bob!

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----

From: "w9ya" <w9ya@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, August 12, 2003 2:31 PM
Subject: Re: OT: Using Ham Radio Towers for Wireless Internet

> Of note , the American Power Providers Association's input (An earlier
> message to this ml gave the url for this.) to the FCC on the BPL would
> indicate that there are NO alternatives (of merit) for rural users to get
> broadband internet service. This is the reason given that existing users
of
> the the HF spectrum should be required to *put up* with the resulting
> interference from BPL as/when it is implemented.
>
> So perhaps we should be asking:
>
> How is your internet service brother George ? Would you prefer BPL over
your
> current microwave set up ?

Date: Tue, 12 Aug 2003 21:50:58 +0100
From: Chuck Adams <k7qo@commspeed.net>
To: qrp-l@lehigh.edu
Subject: [156124] Freq Ref Kit update
Message-ID: <5.2.1.1.0.20030812214923.00b295f0@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang, (sorry to the QRPLINUX group for their posting)

This is the kind of support I'm getting. Got the following email.

Hello Chuck Adams, K7QO
Your Flying Pig AUTOLOG URL is ...
<http://65.29.207.184:3737/autolog.asp?myid=436214625&yourcall=K7Q0&lastcmd=Search>
Use this link to make any updates to the Run for the Bacon Sprint log.
Requested by IPaddress 68.44.216.166

72 and oo
Diz, W8DIZ FP#-1

All that I ever wanted was a \$17 kit that I could build and that would work.

1. I did not want a PC board that came from the perforated set that you get from the PC board maker when making prototypes.
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And I certainly did not enter the information and/or comments as shown above.

FYI

Chuck Adams K7QO k7qo@commspeed.net
<http://www.qsl.net/k7qo> CP-60

Date: Tue, 12 Aug 2003 17:36:30 -0400
From: Brad Thompson <Brad.Thompson@valley.net>
To: n2uhc@yahoo.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [156125] Re: LED Flashers on Flex-i-gen
Message-ID: <5.0.2.1.2.20030812172107.01b8aaf0@pop3.norton.antivirus>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:29 PM 08/11/2003 -0700, Tom Severt wrote:

>--- Brad Thompson <Brad.Thompson@valley.net> wrote:

>

> > Odd that the designers would use three

> > parallel-connected batteries--

> > possibly they're

> > inferior-grade or nearing-end-of-life cells that

> > really need to get

> > paralleled to provide enough

> > current in pulsed form.

>

>More than likely they use three in parallel to keep

>the package flashing from the time it leaves the

>factory to travel cross-country, be stored in a

>stockroom for a while, and then finally be put onto

>the store shelves. Whereas one battery would run down

>after a while, three would keep it running quite a bit

>longer. I'm assuming roughly three times as long?

>

>Hello--

You're no doubt correct, but it's unusual to run batteries in parallel.

My hunch is that three really cheap batteries cost less than one good one, even when

the extra assembly overhead of making six instead of two connections gets taken into account.

Internal resistance depends on battery technology and construction. When batteries get weak,

their internal resistance generally begins to climb, and a load that demands relatively heavy

current pulses could indeed exhaust one battery more quickly than three.

Somewhere in the shop, I have a U-Need-It brand bias battery that originally provided -4.5 volts

to a homebrew TRF receiver. When I found it, the battery was wrapped in a sheet of a

newspaper dated sometime in November 1929 (the financial page, no less!).

Measure the battery's output

with a 20 kilohm-per-volt meter, and the output falls to zero. Measure it

with a 100 megohm VTVM,

and the output's almost 4.5 volts.

What I didn't make clear in my original posting: a battery can behave much

differently under pulsed
loads than during steady-state drain. In any case, this is all a
hand-waving exercise until
someone analyzes the gizmo!

73--

Brad AA1IP

Date: Tue, 12 Aug 2003 17:18:05 -0400
From: Brad Thompson <Brad.Thompson@valley.net>
To: kd1jv@moose.ncia.net,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [156126] Re: qst pc power supply conversion article
Message-ID: <5.0.2.1.2.20030812170717.01b7a810@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello--

IIRC, commercial switched-mode power supplies (SMPSes) (i.e., those
designed for industrial
applications) needed a load of approximately 10 to 20 percent of the rated
current on the
main (usually the +5-volt) output. For example, a power supply delivering 5
volts at 20
amperes, 12 volts at 4 amperes and -12 volts at 3 amperes would require a
minimum load of
2.5 ohms (5 V / 2 A).

The remaining outputs are sometimes defined as "semi-regulated"-- they
deliver regulated
voltages only when the main output is within regulation. Some SMPSes won't
start unless
they're adequately loaded.

If the supply doesn't include a five-volt output, look for the output which
provides the highest
current -- that's usually the main (regulated) output.

As for salvaged PC power supplies, they're often literally packed full of
dust, lint, cat (and people)
fur, and whatnot. Also, the internal cooling fan may have failed or
developed noisy bearings.
High-pressure compressed air moves the dust out nicely. Heat sinks don't
work well when they're

fouled with dust.

73--

Brad AA1IP

At 11:09 AM 08/12/2003 -0400, Steven Weber wrote:

> >Anybody remember which issue the article about converting PC power
> >supplies for radio use was in. I went looking for it last night and
>

>Bob,

>

>Most PC supplies need a load on the +5V output (red wire) to regulate
>properly. The article simply tells you to add a resistor on the 5v output
>for a load. I imagine one or two 6V pilot lights would do the trick too.

>

>

>72,

>Steve, KD1JV

>"Melt Solder"

>White Mountains of New Hampshire

><http://www.qsl.net/kd1jv/>

Date: Tue, 12 Aug 2003 17:41:17 -0400

From: "Emmersome Bigguns" <n8ie@woh.rr.com>

To: "QRP-1" <qrp-1@lehigh.edu>

Subject: [156127] RE: Freq Ref Kit update

Message-ID: <MMEDLKDLONJOAIGICDJAMENCELAA.n8ie@woh.rr.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Chuck, I think from the many posts over the past week, we really don't care what your review is. Those of us who have the kit are happy with it.

But could you please explain to us just what it is you have against Diz or is it the Flying Pigs?

72, oo

Dan, N8IE

FP #-6

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Chuck Adams
Sent: Tuesday, August 12, 2003 4:51 PM
To: Low Power Amateur Radio Discussion
Subject: Freq Ref Kit update

Gang, (sorry to the QRPLINUX group for their posting)

This is the kind of support I'm getting. Got the following email.

Hello Chuck Adams, K7QO
Your Flying Pig AUTOLOG URL is ...
<http://65.29.207.184:3737/autolog.asp?myid=436214625&yourcall=K7QO&lastcmd=Search>
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FYI

Chuck Adams K7QO k7qo@commspeed.net
http://www.qsl.net/k7qo CP-60

Incoming mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.507 / Virus Database: 304 - Release Date: 8/4/2003

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.507 / Virus Database: 304 - Release Date: 8/4/2003

Date: Tue, 12 Aug 2003 18:45:12 -0300
From: ALBERTO <cx8at@adinet.com.uy>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [156128] IC-77 mods
Message-ID: <3F395FE8.5AD25996@adinet.com.uy>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi

A friend of mine gave me a IC-77 as a gift, it has a keypad to change frequency and a knob to change memories. It is very uncomfortable to change frequency from the keypad (that's the way).

Maybe, somebody knows of a mod. to tune it from the main knob. I couldn't find anything.

Any help?

Al, CX8AT/qrp

Date: Tue, 12 Aug 2003 14:58:27 -0700
From: "Chetan Bhargava" <list3@bhargavaz.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [156129] Re: DDS Kit announcement
Message-ID: <005701c3611c\$e072bbe0\$2701a8c0@chetan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Is anyone interested in group purchase of ERA-1SM? I got a quote from Mini Circuits and they quoted \$1.85 each with minimum quantity 10. They haven't indicated the shipping so I'll have to clarify that.

Interested people can email me off-list.

73,

Chetan Bhargava KG6NFG
www.bhargavaz.net

Date: Tue, 12 Aug 2003 17:12:32 -0400
From: Brian Short <bshort4@cox.net>
To: Low Discussion <grp-1@Lehigh.EDU>
Subject: [156130] Re: Serious Duck tape
Message-ID: <B03CEE04-CD09-11D7-9D6F-00306543B616@cox.net>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v552)
Content-Transfer-Encoding: 7bit

This *might* make more sense if you've seen "Big Fat Greek Wedding," but no workshop should be without "Detergent, Spray On, Wipe Off," as it was called in the US Navy. It is available to civilians under various brand names like Windex, etc.

Highly recommended. For whatever...

On Tuesday, August 12, 2003, at 01:58 PM, Charles Mabbott wrote:

> FYI
>
> <http://www.ducttapeguys.com/>
>
> Enjoy.....
> 73 oo Chuck AA8VS
>

--

See my web page: <http://www.k7on.com>

Date: Tue, 12 Aug 2003 18:23:29 -0400
From: "Bob & Janet" <jbcraft@adelphia.net>
To: <jsielke@pobox.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [156131] RE: Duck Tape
Message-ID: <AGEJJBFLPLHMOECFDINOCEGPCNAA.jbcraft@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is what I call a well rounded informatative group :)

OO
Bob K8YS

It is truly amazing the wealth of information available here on QRP-L.
Without this list, I would have never learned about:

1. Torrids
2. Duck Tape

John W2AGN

Date: Wed, 13 Aug 2003 00:26:23 +0200 (CEST)
From: "=?iso-8859-1?q?Miguel=20Angel=20D.J.?=" <ea1bp@yahoo.es>
To: qrp-l@Lehigh.EDU
Subject: [156132] Wanted!! MFJ-490 or MFJ 490X Keyer(Memories)
Message-ID: <20030812222623.96215.qmail@web20008.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Hello, if you have want and you want to get ride of
it,...send me a mail!!!

Thanks,

Miguel

Yahoo! Messenger - Nueva versi n GRATIS
Super Webcam, voz, caritas animadas, y m s...
<http://messenger.yahoo.es>

Date: Tue, 12 Aug 2003 18:30:44 -0400
From: "Paul Womble" <pwomble@verizon.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [156133] RE: Freq Ref Kit update
Message-ID: <002501c36121\$5ecf8820\$6401a8c0@house>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

How does someone entering false data into the autolog application Diz
set up for a contest have anything to do with the support or design of
his kits?

Please explain.

Many of us are also wondering why this is becoming a personal attack on
Diz.

Paul K4FB

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf
Of Chuck Adams
Sent: Tuesday, August 12, 2003 4:51 PM
To: Low Power Amateur Radio Discussion
Subject: Freq Ref Kit update

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the support level needs to be changed. FP#1??? Never entered one of
those
contests.
And I certainly did not enter the information and/or comments as shown
above.

Date: Tue, 12 Aug 2003 15:49:59 -0700
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [156134] Thanks for Batt. Storage Info.
Message-ID: <08D18BEFE0F59E4EB2BB78107B5A527101737822@blaze.bcsc.gov.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Thanks to all who replied to my battery storage question. I received some very good information.

Doug VA7DD

Date: Tue, 12 Aug 2003 23:55:07 +0100
From: M Taylor <mctylr@privacy.nb.ca>
To: Paul Womble <pwomble@verizon.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [156135] Re: Freq Ref Kit update
Message-ID: <20030812235507.A11559@pull.privacy.nb.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Chuck's complaint is that HE DID NOT ENTER the into the autolog.

Rightly or wrongly Chuck was critical of Diz's kit. He has not a harsh word about Diz himself.

-ve1mct

On Tue, Aug 12, 2003 at 06:30:44PM -0400, Paul Womble wrote:

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> set up for a contest have anything to do with the support or design of
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>
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>
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>
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>
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>
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>
>
>
>

End of QRP-L Digest 3010

